

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A recording medium including graphic data and ~~executable~~ management information recorded by a recording device and configured to be reproduced by a reproduction device in a manner instructed by the ~~executable~~ management information, the recording medium comprising:

at least one graphic image reproduction information segment, one or more graphic images and one or more palette information segments, ~~each palette information segment providing color information and opacity information for the associate color information,~~ each graphic image reproduction information segment providing reproduction information for reproducing one or more graphic images;

wherein each palette information segment has ~~[[an]]~~ a palette identifier and the at least one graphic image reproduction segment refers to one or more palette information segments using the identifier of the palette information segment ~~for~~ during reproduction of the one or more graphic images,

wherein each palette includes a plurality of elements, a value of each element to be determined according to color attributes and one of levels of opacity.

2. (Previously Presented) The recording medium of claim 1, wherein the reproduction information identifies a palette information segment to use in reproducing one or more graphic images.

3. – 7. (Cancelled)

8. (Previously Presented) The recording medium of claim 1, wherein two or more graphic image reproduction information segments share a same palette information segment.

9. (Currently Amended) A method of reproducing a data structure for managing reproduction of graphic data from a recording medium, comprising:

reproducing at least one graphic image reproduction information segment, one or more graphic images and one or more palette information segments from the recording medium, ~~each palette information segment providing color information and opacity information for the associated color information,~~ each graphic image reproduction information segment providing reproduction information to refer to one or more palettes for reproducing one or more graphic images,

wherein each palette information segment has ~~[[an]]~~ a palette identifier and the reproduction information refers to one ~~ore~~ or more palette information segments using the identifier for the palette information segment,

wherein each palette includes a plurality of elements, a value of each element to be determined according to color attributes and one of levels of opacity.

10. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of graphic data from a recording medium, comprising:

a reproducing device configured to reproduce data recorded on the recording medium;

a controller configured to control the reproducing device to reproduce at least one graphic image reproduction information segment, one or more graphic images and one or more palette information segments from the recording medium, ~~each palette information segment providing color information and opacity information for the associate color information~~, each graphic image reproduction information segment providing reproduction information to refer to one or more palettes for reproducing the one or more graphic images, wherein each palette information segment has an identifier; ~~and the reproduction information refers to one or more palette information segments using the identifier of for the palette information segment~~ for reproduction of the one or more graphic images;

wherein each palette includes a plurality of elements, a value of each element to be determined according to color attributes and one of levels of opacity.

11. (Currently Amended) A method of recording a data structure for managing reproduction of graphic data on a recording medium, comprising:

recording at least one graphic image reproduction information segment, one or more graphic images and one or more palette information segments on the recording medium, ~~each palette information segment providing color information and opacity information for the associated color information~~, each graphic image reproduction information segment providing reproduction information to refer to one or more of palettes for reproducing one or more graphic images;

wherein each palette information segment has an identifier; and the reproduction information refers to one or ~~ore~~ more palette information segment using the identifier for the palette information segment;

wherein each palette includes a plurality of elements, a value of each element to be determined according to color attributes and one of levels of opacity.

12. (Currently Amended) An apparatus for recording a data structure for managing reproduction of graphic data on a recording medium, comprising:

a recording device configured to record data on the recording medium;

~~an encoder for encoding at least multiple reproduction path video data; and~~

a controller configured to control the recording device to record at least one graphic image reproduction information segment, one or more graphic images and one or more palette information segments on the recording medium, ~~each palette information segment providing color information and opacity information for the associated color information,~~ each graphic image reproduction information segment providing reproduction information to refer to one or more of palettes, for reproducing the one or more graphic images[.];

wherein each palette information segment has [[an]] a palette identifier and the reproduction information refers to one or more palette information segments using the identifier for the palette information segment,

wherein each palette includes a plurality of elements, a value of each element to be determined according to color attributes and one of levels of opacity.

13. (Previously Presented) The method of claim 9, wherein the reproduction information identifies a palette information segment to use in reproducing one or more graphic images and further wherein two or more graphic image reproduction information segments include reproduction information that identify a same palette information segment.

14. - 16. (Cancelled)

17. (Currently Amended) The apparatus of claim 10, wherein the controller is configured to control the reproducing device to reproduce the reproduction information, the reproduction information identifying ~~identifies~~ a palette information segment to use in reproducing one or more graphic images and further wherein the controller is configured to control the reproducing device to reproduce two or more graphic image reproduction information segments, the graphic image reproduction image segments including ~~include~~ reproduction information that identify a same palette information segment.

18. - 20. (Cancelled)

21. (Previously Presented) The method of claim 11, wherein the reproduction information identifies a palette information segment to use in reproducing one or more graphic images and further wherein two or more graphic image reproduction information segments include reproduction information that identify a same palette information segment.

22. - 24. (Cancelled)

25. (Previously Presented) The apparatus of claim 12, wherein the reproduction information identifies a palette information segment to use in reproducing one or more graphic images and further wherein two or more graphic

image reproduction information segments include reproduction information that identify a same palette information segment.

26.– 28. (Cancelled)

29. (New) The recording medium of claim 1, wherein each pixel of the graphic image is correspondent to one of the elements of the palette referred using the palette identifier.

30. (New) The recording medium of claim 1, wherein the palette includes 256 elements at maximum.

31. (New) The recording medium of claim 1, wherein the palette is fixed size of 256 elements and the palette includes at least one null element.

32. (New) The recording medium of claim 1, wherein the color attributes are luminance and chrominance (YCrCb).

33. (New) The method of claim 9, wherein each pixel of the graphic image is correspondent to one of the elements of the palette referred using the palette identifier.

34. (New) The method of claim 9, wherein the palette includes 256 elements at maximum.

35. (New) The method of claim 9, wherein the palette is fixed size of 256 elements and the palette includes at least one null element.

36. (New) The method of claim 9, wherein the color attributes are luminance and chrominance (YCrCb).

37. (New) The apparatus of claim 10, wherein the controller is configured to control the reproducing device to reproduce each pixel of graphic image, the each pixel of graphic image to be correspondent to one of the elements of the palette referred using the palette identifier.

38. (New) The apparatus of claim 10, wherein the controller is configured to control the reproducing device to reproduce the palette, the palette including 256 elements at maximum.

39. (New) The apparatus of claim 10, wherein the controller is configured to control the reproducing device to reproduce the palette, the palette to be fixed size of 256 elements with at least one null element.

40. (New) The apparatus of claim 10, wherein the controller is configured to control the reproducing device to reproduce the color attributes, the color attributes to be luminance and chrominance (YCrCb).

41. (New) The method of claim 11, wherein each pixel of the graphic image is correspondent to one of the elements of the palette referred using the palette identifier.

42. (New) The method of claim 11, wherein the palette includes 256 elements at maximum.

43. (New) The method of claim 11, wherein the palette is fixed size of 256 elements and the palette includes at least one null element.

44. (New) The method of claim 11, wherein the color attributes are luminance and chrominance (YCrCb).

45. (New) The apparatus of claim 12, wherein the controller is configured to record each pixel of graphic image, the each pixel of graphic image to be correspondent to one of the elements of the palette referred using the palette identifier.

46. (New) The apparatus of claim 12, wherein the controller is configured to record the palette, the palette including 256 elements at maximum.

47. (New) The apparatus of claim 12, wherein the controller is configured to record the palette, the palette to be fixed size of 256 elements with at least one null element.

48. (New) The apparatus of claim 12, wherein the color attributes are luminance and chrominance (YCrCb).

49. (New) The recording medium of claim 1, wherein the graphic image reproduction information segment is separated from the palette information segment.

50. (New) The method of claim 9, wherein the graphic image reproduction information segment is separated from the palette information segment.

51. (New) The apparatus of claim 10, wherein the controller is configured to control the reproducing device to reproduce the graphic image reproduction information segment being separated from the palette information segment.

52. (New) The method of claim 11, wherein the graphic image reproduction information segment is separated from the palette information segment.

53. (New) The apparatus of claim 12, wherein the graphic image reproduction information segment is separated from the palette information segment.

<End of Claims Listing>